

Shingo KURAMOCHI
Serial No.: 09/970,968

--2--

AMENDMENT TO THE CLAIMS

IN THE CLAIMS:

Please amend claims 1, 2, 5, 7, 9, 10 and 13, and add new claims 19-20 as follows. A copy of all pending claims and a status of the claims is provided below.

A1

1. (currently amended) A system for managing an object positioned in a management area, the system comprising

a host computer for holding a database in which position data of an object to be managed is stored in relation to attribute data of the object to be managed used for identifying the object to be managed;

a portable terminal machine configured to input object information for managing the object to be managed; and

data communication means for transferring a database from the host computer to the portable terminal machine[[],],

wherein the portable terminal machine displays a position of the object to be managed according to position data in the database transferred from the host computer to the portable terminal machine.

2. (currently amended) The system of claim 1, wherein the portable terminal machine includes:

a data storing unit for storing the database transferred from the host computer;
a condition inputting unit for entering a retrieval condition; and

Shingo KURAMOCHI
Serial No.: 09/970,968

--3--

A1 a searching unit for searching the database according to the retrieval condition to obtain the position data from the database when the attribute data of the object to be managed matches the retrieval condition.

3. (original) The system of claim 1, wherein the portable terminal machine includes a data synchronization unit for synchronizing data in the database stored in the data storing unit of the portable terminal machine with data in the database held in the host computer.
4. (original) The system of claim 1, wherein the host computer includes a data synchronization unit for synchronizing data in the database stored in the data storing unit of the portable terminal machine with data in the database held in the host computer.
5. (currently amended) The system of claim 1, wherein the object to be managed is a computer.
6. (original) A retrieval system, comprising:
 - a host computer including a database, which database is output by the host computer on request, in which retrieval information and position information of objects to be managed are held in relation to each other; and
 - a portable terminal machine for receiving and storing the database output by the host computer;

A1 wherein the portable terminal machine includes: a searching unit for searching the retrieval information in the database according to a condition specified by a user to identify a match between the retrieval information and the condition and consequently to identify position information of a particular object; and a map display unit for displaying a position where the particular object is managed on a map according to the position information.

7. (currently amended) A portable position display apparatus for displaying a position of an object to be managed, comprising:

a data storing unit for storing a database that includes map data used to display a map of an area in which the object to be managed is positioned, position data used to locate the object to be managed on the map, and attribute data used to identify the object to be managed, wherein the position data is stored in relation to the attribute data;

a condition input unit for enabling a user to enter a retrieval condition;

a searching unit for searching the database stored in the data storing unit according to the retrieval condition to identify a match between the attribute data and the retrieval condition and consequently to identify position data of the object to be managed independent of the portable position display apparatus's position; and

a map display unit for displaying a position of the object to be managed on the map according to the map data and the position data in the database when a match is identified by the searching unit.

Shingo KURAMOCHI
Serial No.: 09/970,968

--5--

A1
8. (original) The apparatus of claim 7, further including a data receiving unit for receiving the database.

9. (currently amended) The apparatus of claim 7, further including a management information display unit for displaying management information of the object to be managed according to the attribute data in the database when the searching unit identifies the match.

10. (currently amended) Apparatus for managing data of an object to be managed; comprising:
a database storing unit for storing a database that includes map data used to display a map of an area in which an object to be managed is positioned, position data of a display mark that denotes the position of the object to be managed on the map, and attribute data used to identify the object to be managed; and

a database outputting unit for outputting the database to a portable terminal machine in response to a request from the portable terminal machine independent of a position of the portable terminal machine.

11. (original) The apparatus of claim 10, further including:

a map display unit for displaying the map according to the map data in the database;
a mark drawing unit for enabling a user to draw a display mark on the map displayed by the map display unit;

Shingo KURAMOCHI
Serial No.: 09/970,968

--6--

A1 a coordinate obtaining unit for obtaining coordinates of the display mark drawn by the mark drawing unit; and

a data storing unit for storing the coordinate data in the database as the position data of the display mark.

12. (original) The apparatus of claim 11, wherein the map display unit, when the display mark is drawn by the mark drawing unit, displays a reference line created on the map in response to a fixed item in the area in which the object to be managed is positioned.

13. (currently amended) A position display method, comprising the steps of:

storing a database that includes map data used to display an area in which a plurality of objects to be managed are placed as a map, position data used to display a position of each of the plurality of objects to be managed in the area on the map, and attribute data used to identify each object to be managed in a locally unique way;

prompting a user to specify a specific object to be managed from among the plurality of objects to be managed;

reading the map data and the position data of the specific object to be managed from the database; and

displaying the position of the specific object to be managed in the area on the map according to the map data and the position data read from the database.

Shingo KURAMOCHI
Serial No.: 09/970,968

--7--

A-1
14. (original) The method of claim 13, wherein the database is received from a host computer and stored in the database storing step.

15. (original) The method of claim 14, wherein the database is updated by the host computer.

16. (original) The method of claim 15, wherein the host computer updates the database at predetermined times.

17. (original) A computer readable storage medium that stores a program to be executed by a computer, the program enabling the computer to execute:

a first process for displaying a map based on map data and on position data of an object that is positioned and managed in a specific area, wherein the map data and the position data are stored in a database;

a second process for drawing a display mark of the object to be managed according to an input from a user on the map;

a third process for obtaining coordinate data of the drawn display mark on the map; and

a fourth process for storing the coordinate data in the database in relation to entered data of the object.

Shingo KURAMOCHI
Serial No.: 09/970,968

--8--

A1 18. (original) The computer readable storage medium of claim 17, wherein the program further enables the computer to execute a process for presenting a list of objects to be managed, read from the database, so as to prompt the user to specify a particular object to be managed and to be stored in relation to the coordinate data in the fourth process.

A2 19. (new) The system of claim 1, wherein the portable terminal machine is configured to input object information for managing the object to be managed independent of the position of the portable terminal and the object to be managed.

20. (new) The position display method of claim 13, wherein a user specifies an object to be managed independent of the user's position relative to the object to be managed.